Table A.2.25 Main Yard AOC 10 Summary of Boring Log and Analytical Data

Boring/ Date/ Report	Total Depth of Boring	Depth to Water[1]	Lithologic Description[2] (Observation Notes)	Maximum PID Response, ppm_v (Depth)	Sample Type[3]	Sample ID (Depth)	Analyses[4]	COC Concentrations Greater Than Delineation Criteria
S0991 12/19/02 PAOC 84	16	6.5	Fill: 0-13 (strong odor of petroleum, visible NAPL vegetable oil/molasses consistency at 6-13) Peat: 13-16	280 (12.5-13)	O, S, F	S0991G2 (12.5-13)	V, S, M	None
S0990 12/19/02 PAOC 84	16	8	Fill: 0-14 (black fly ash, sheen on water surface, slightly tarry, jar test: minor sheen, black hardened asphalt and asphaltic wood with brick fragments at 8-14) Peat: 14-15 Clay: 15-16	165 (8-9)	O, S, F	S0990E1 (8-8.5)	V, S, M	Benzo(a)anthracene: 1.9J mg/kg **Benzo(a)pyrene: 1.9J mg/kg** Benzo(b)fluoranthene: 1.3J mg/kg
S0987 12/19/02 PAOC 83	16	7.5	Fill: 0-14.5 Clay and peat: 14.5-16 (gray stained, odor at 14.5-15)	9 (14.5-15)	O, S, N	S09987H2 (14.5-15)	V, S, M	1,2-Dichloroethane: 4.4 mg/kg
S0843/ MW139 9/27/02 Full RFI AOC 10	16	1.3?	Fill: 0-12.5 Peat: 12.5-16	88 (3-3.5)	O, S, F	S0843A4 (1.5-2)	V, S, M	None
					O, S, F	S0843 (2-4)	Phys. Char.	
					O, S, F	S0843B3 (3-3.5)	V, S, M, SPLP metals	Iron: 27800 mg/kg SPLP Iron: 3.87 mg/L
					O, S, N	S0843G4 (13.5-14)	V, S, M	None
					Water	MW139 (10/24/02)	V, S, M, water quality	Lead: 15J ug/L
H0219 3/10/99 1st Groundwater Addendum AOC 10	13	8.3	See H0197		Water	H0219	V, S, M	**Benzene: 7 ug/L** Chlorobenzene: 6 ug/L

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H0197 1/27/999 1st Groundwater Addendum AOC 10	12	5	Fill: 0-12: (staining at 9.8, strong hydrocarbon odor; trace creosote-laden wood fragments, brick fragments, strong solvent odor at 10-12)	548 (12)	Water	H0197	M	None
HP0112 9/16/97 1st Groundwater AOC 10	4	2	See SB0182	0	Water	HP0112	V, S, M	Arsenic: 69.4 ug/L Chromium (total) 504 ug/L Lead: 1460 ug/L Mercury: 2.88 ug/L Nickel: 273 ug/L Vanadium: 573 ug/L
SB0183 2/1/96 1st Soils AOC 10	6	5	Fill: 0-6: (petroleum staining at 3.8, slight petroleum odor)	0	O, U, F	SB0183SB (2-4)	V, S, M	None
SB0182 2/1/96 1st Soils AOC 10	8	6.5	Fill: 0-6.3: (petroleum odor and dark staining at 6) Sand: 6.3-8 (slight petroleum odor)	0	O, U,F	SB0182SC (4-6)	V, S, M, TPH	**Benzene: 2.4 mg/kg** Benzo(a)anthracene: 3.6 mg/kg **Benzo(a)pyrene: 4.8 mg/kg** Benzo(b)fluoranthene: 1.8 mg/kg
SB0181 1/31/96 1st Soils AOC 10	10	8	Fill: 0-8	25 (0-2)	O, U, F	SB0181SA (0-2)	V, S, M	None

NOTES:
Benzene and benzo(a)pyrene are highlighted in bold because they are indicator constituents of concern (COCs)
Shaded rows indicate samples collected from nearby SWMUs/AOCs
ppm_v = parts per million (volume basis)
All depths referenced on this summary table are in feet below the ground surface.
PID = Photoionization detector.
ID = Identifier.
mg/kg = milligrams per kilogram (equivalent to parts per million).
µg/L = micrograms per liter (equivalent to parts per million).
[1]Depth to water as observed during borehole advancement.
[2]"Fill" encountered within the completed borings was characteristically described as an asphalt layer (typical) underlain by a heterogeneous gravel to clay mixture of unconsolidated materials, ranging in color from tan to gray with occasional construction debris (e.g., brick) present. In some locations, the fill material is further characterized by containing a slag or beaded material, in which case it is noted within the table. Also noted on the table are any other olfactory or visual observations that indicate potential petroleum-type impacts within the fill unit were observed.
[3]P – property boundary, O – on-site, U – unsaturated, S – saturated, F – fill, N – native. "None" indicates that no sample was collected.
[4]V – VOCs, S – SVOCs, M – metals, Pb – lead, TOL – total organic lead, TEL – tetraethyl lead, TPH – Total Petroleum Hydrocarbons; SPLP– Synthetic Precipitation Leaching Procedure; -Phys. Char.--physical characteristics.